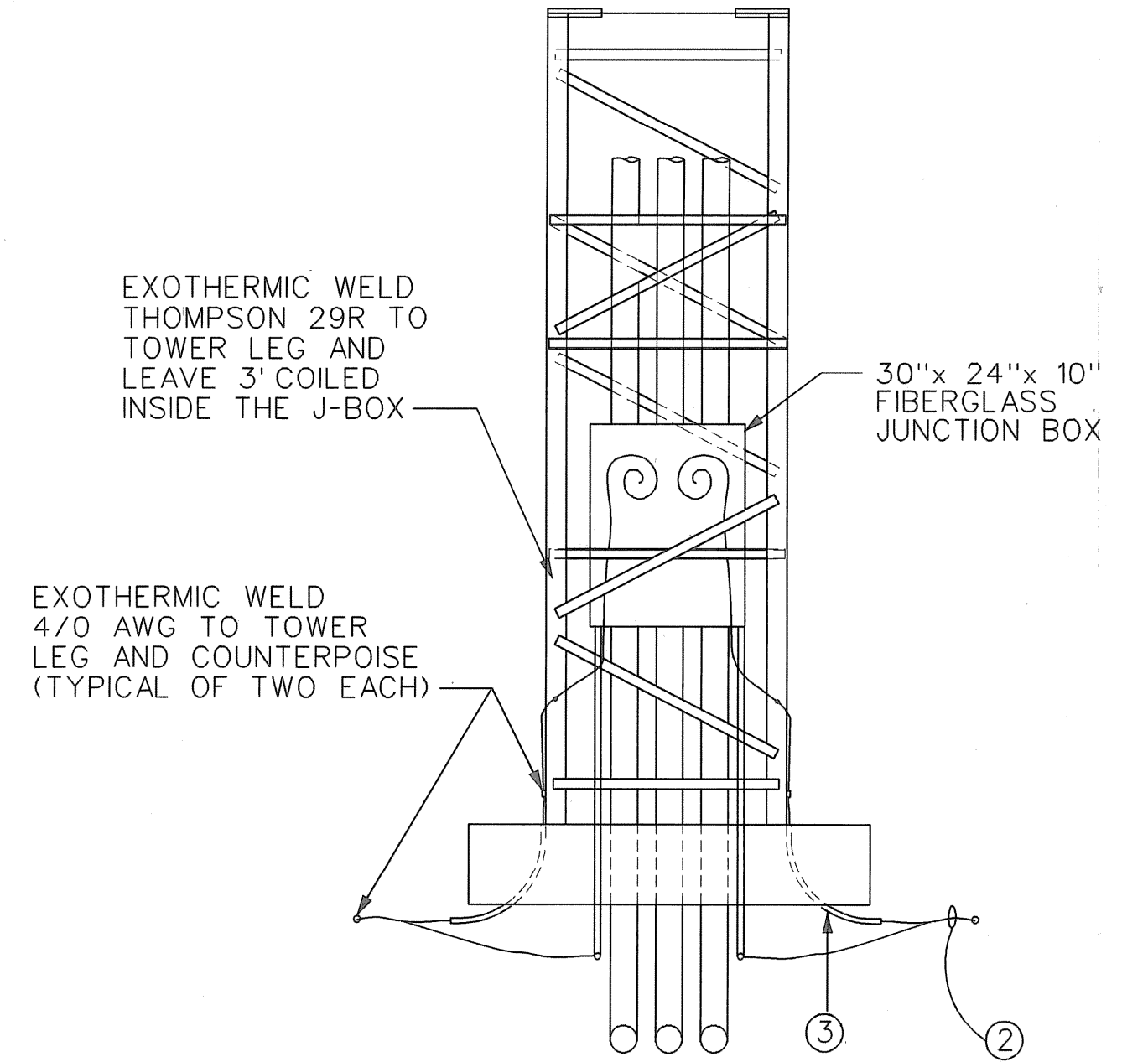
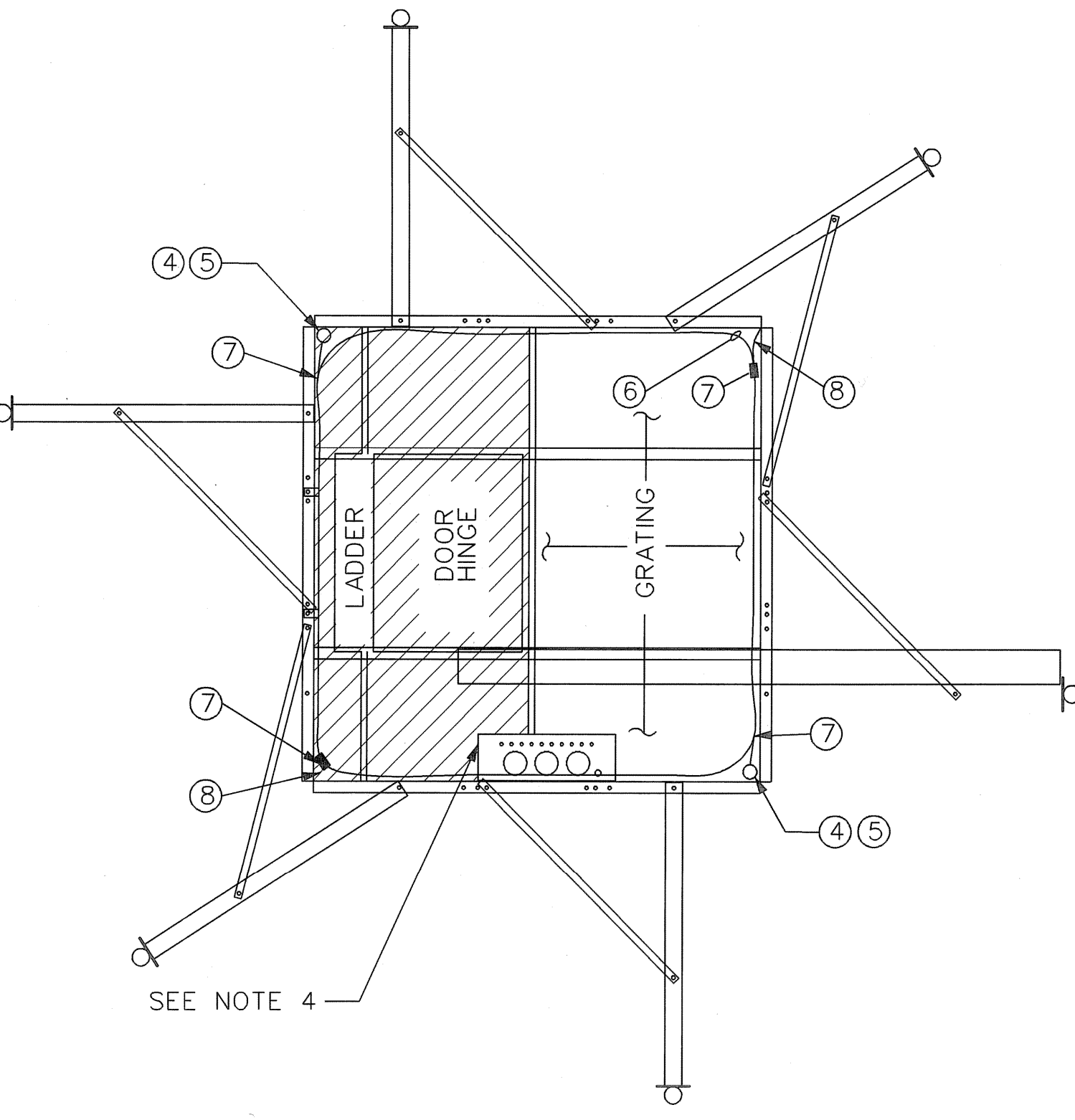


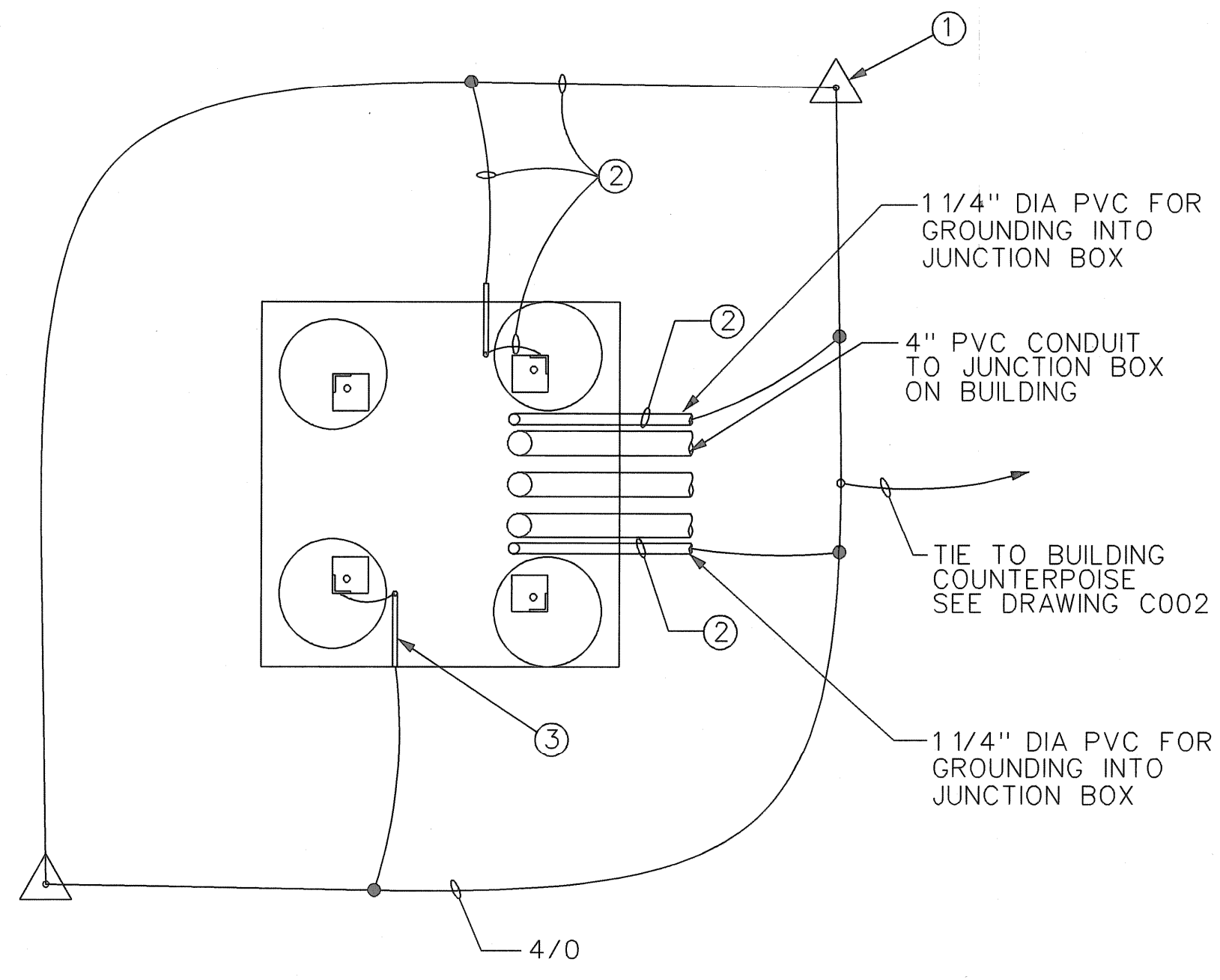
**1 JUNCTION BOX ELEVATION**  
E002 NOT TO SCALE



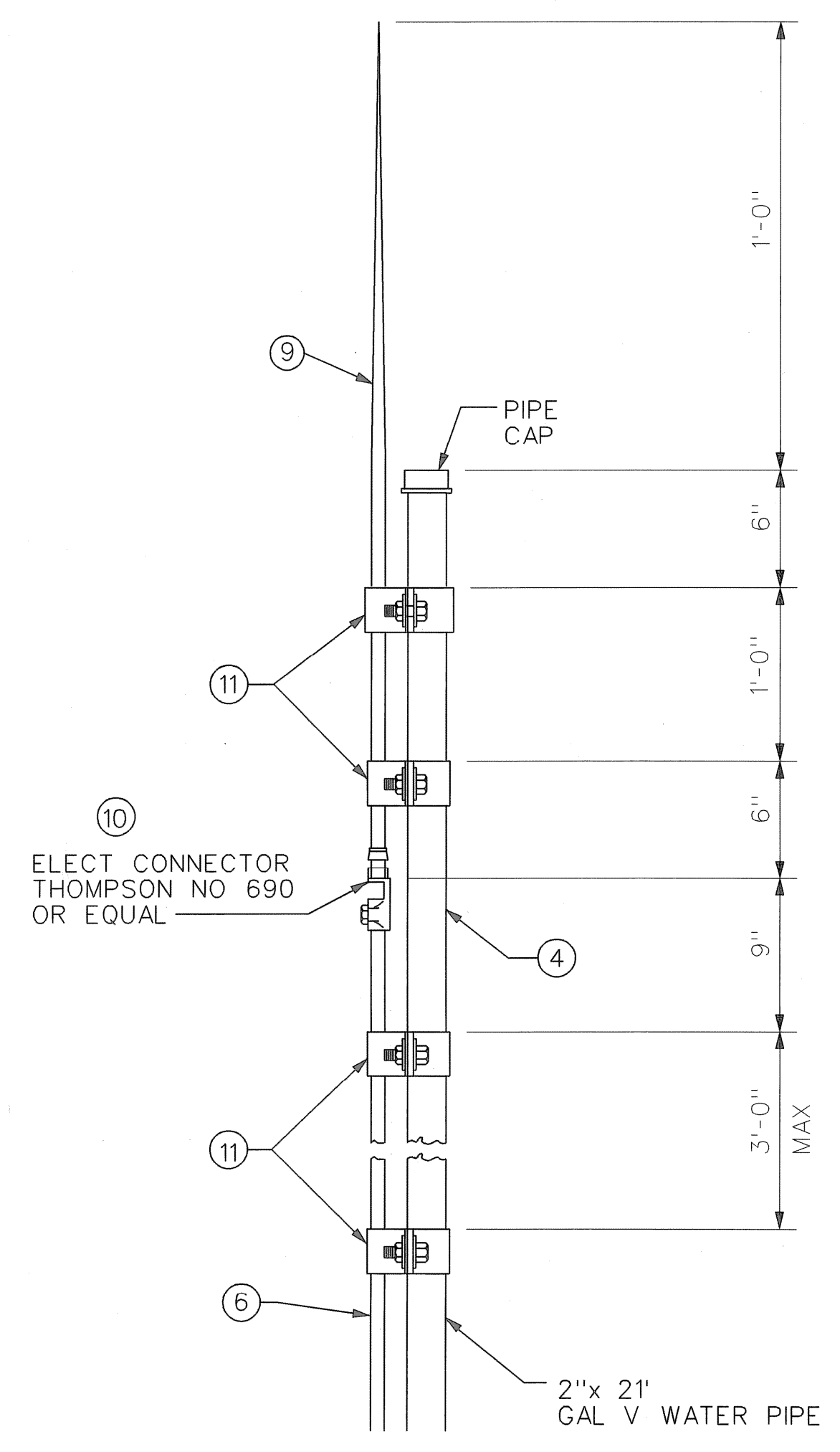
**2 TOWER CONDUIT ELEVATION**  
E002 NOT TO SCALE



**3 JUNCTION BOX SECTION**  
E002 NOT TO SCALE



**4 TOWER CONDUIT SECTION**  
E002 NOT TO SCALE



**5 AIR TERMINAL ASSEMBLY**  
E002  
SCALE: 1/2" = 1'-0"

**NOTES**

1. SUPPORTED THE CONDUCTOR AT A MINIMUM OF 2'-0" SPACING AROUND THE PERIMETER OF THE PLATFORM.
2. INSTALLED DOWN CONDUCTOR WITH AN MINIMUM OF BENDS.
3. ALL GROUNDING CONNECTIONS BELOW GRADE BY EXOTHERMIC WELD.
4. INSTALLED JUNCTION BOX AT 90° FROM HATCH OPENING DIRECTION.

**LEGEND**

- ① GROUND ROD, COPPER CLAD 3/4" DIA x 10'
- ② 4/0 AWG BARE COPPER, 28 STRANDS, WT 660 LBS/1000 FT
- ③ CONDUIT, RIGID PLASTIC 3/4"
- ④ STANDARD STEEL PIPE, GALV 2"x 21 FEET LONG (WATER PIPE)
- ⑤ U-BOLT, 2" WITH SELF LOCKING NUTS, GALV
- ⑥ DOWN CONDUCTOR, 28 STRANDS, WT 375 LBS/1000'. THOMPSON 29R OR EQUAL
- ⑦ PARALLEL CLAMP, THOMPSON #4248 OR EQUAL
- ⑧ SET SCREW CLAMP, THOMPSON #701 OR EQUAL
- ⑨ AIR TERMINAL, 5/8"x 3', THOMPSON #667 OR EQUAL
- ⑩ VERTICAL CONNECTOR, THOMPSON #690 OR EQUAL
- ⑪ PIPE CLAMP, THOMPSON #240X OR EQUAL
- ⑫ CABLE CLAMP, THOMPSON #142 OR EQUAL

REV		APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
<p align="center"><b>DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION</b></p> <p align="center"><b>ATO - TECHNICAL OPERATIONS      EASTERN SERVICE AREA</b></p> <p align="center"><b>RCAG</b></p> <p align="center"><b>TOWER REPLACEMENT ANTENNA TOWER LIGHTNING PROTECTION</b></p>						
GREENVILLE		MID DELTA RGNL AIRPORT		MS		
REVIEWED BY	SUBMITTED BY	APPROVED BY				
		Theresa P. Amador				
PROJECT ENGINEER	DESIGNED	SV	ISSUED BY	MGR: ENGINEERING - ATLANTA		
DRAWN	AT	ENGINEERING SERVICES COMMUNICATIONS	DATE	11/15/2010	JCN	802460
CHECKED			DRAWING NO		REV	
GLH-D-802460-E002						